

=====

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=14; hr=18; min=42; sec=41; ms=906; ]

=====

\*\*\*\*\*

Reviewer Comments:

<210> 3

<211> 951

<212> DNA

<213> Mouse

Per 1.823 of the Sequence Rules, the only valid <213> responses are:  
the Genus species of the organism, "Artificial Sequence," or "Unknown."  
"Artificial Sequence" and "Unknown" require explanation in the <220>-  
<223> section. Please give the Genus species. This response appears in  
subsequent sequences.

<210> 9

<211> 1670

<212> DNA

<213> Chimera

The above <213> response is invalid: since this is a chimeric sequence,  
please use "Artificial Sequence," and give the sources in the <220>-  
<223> section. Same response in subsequent sequences.

\*\*\*\*\*

Application No: 10824481 Version No: 2.0

**Input Set:****Output Set:**

**Started:** 2008-03-04 15:06:46.434  
**Finished:** 2008-03-04 15:06:48.842  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 408 ms  
**Total Warnings:** 30  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 35  
**Actual SeqID Count:** 35

| Error code | Error Description                                   |
|------------|---|
| W 402      | Undefined organism found in <213> in SEQ ID (3)     |
| W 402      | Undefined organism found in <213> in SEQ ID (4)     |
| W 402      | Undefined organism found in <213> in SEQ ID (7)     |
| W 402      | Undefined organism found in <213> in SEQ ID (9)     |
| W 402      | Undefined organism found in <213> in SEQ ID (10)    |
| W 402      | Undefined organism found in <213> in SEQ ID (11)    |
| W 402      | Undefined organism found in <213> in SEQ ID (12)    |
| W 402      | Undefined organism found in <213> in SEQ ID (13)    |
| W 402      | Undefined organism found in <213> in SEQ ID (14)    |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (15) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (16) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (17) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (18) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (19) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (20) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (21) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (22) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (23) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (24) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (25) |

**Input Set:**

**Output Set:**

**Started:** 2008-03-04 15:06:46.434  
**Finished:** 2008-03-04 15:06:48.842  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 408 ms  
**Total Warnings:** 30  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 35  
**Actual SeqID Count:** 35

| Error code | Error Description  |
|------------|--|
| W 213      | Artificial or Unknown found in <213> in SEQ ID (26)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (27)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (28)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (29)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (30)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (31)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (32)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (33)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (34)<br>This error has occurred more than 20 times, will not be displayed |

## SEQUENCE LISTING

<110> Wyeth  
Ling, Vincent  
Carreno, Beatriz M.  
Collins, Mary

<120> USE OF B7-H3 TO INHIBIT LYMPHOCYTE PROLIFERATION (As Amended)

<130> 08702.6108-00000

<140> 10824481

<141> 2004-04-15

<160> 35

<170> PatentIn version 3.5

<210> 1

<211> 951

<212> DNA

<213> Homo sapiens

<400> 1

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| ctggtgggca ccgatgccac cctgtgctgc tccttctccc ctgagcctgg cttcagcctg   | 180 |
| gcacagctca acctcatctg gcagctgaca gataccaaac agctggtgca cagctttgct   | 240 |
| gagggccagg accagggcag cgcctatgcc aaccgcacgg ccctcttccc ggacctgctg   | 300 |
| gcacagggca acgcatccct gaggtgagcag cgcgtgcgtg tggcggacga gggcagcttc  | 360 |
| acctgcttcg tgagcatccg ggatttcggc agcgtgcccg tcagcctgca ggtggccgct   | 420 |
| ccctactcga agcccagcat gaccctggag cccaacaagg acctgcggcc aggggacacg   | 480 |
| gtgaccatca cgtgctccag ctaccggggc taccctgagg ctgaggtgtt ctggcaggat   | 540 |
| gggcaggggtg tgcccctgac tggcaacgtg accacgtcgc agatggccaa cgagcagggc  | 600 |
| ttgtttgatg tgcacagcgt cctgcgggtg gtgctgggtg cgaatggcac ctacagctgc   | 660 |
| ctggtgcgca acccctgct gcagcaggat gcgcacggct ctgtcaccat cacagggcag    | 720 |
| cctatgacat tccccccaga ggccctgtgg gtgaccgtgg ggctgtctgt ctgtctcatt   | 780 |
| gcactgctgg tggccctggc ttctgtgtgc tggagaaaga tcaaacagag ctgtgaggag   | 840 |
| gagaatgcag gagctgagga ccaggatggg gagggagaag gctccaagac agccctgcag   | 900 |
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<212> PRT  
<213> Homo sapiens

<400> 2

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Ala Leu Gly Ala Leu Trp Phe Cys Leu Thr Gly Ala Leu Glu Val Gln  
20 25 30

Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu  
35 40 45

Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn  
50 55 60

Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu Val His Ser Phe Ala  
65 70 75 80

Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe  
85 90 95

Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg Leu Gln Arg Val  
100 105 110

Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe Val Ser Ile Arg Asp  
115 120 125

Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys  
130 135 140

Pro Ser Met Thr Leu Glu Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr  
145 150 155 160

Val Thr Ile Thr Cys Ser Ser Tyr Arg Gly Tyr Pro Glu Ala Glu Val  
165 170 175

Phe Trp Gln Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr  
180 185 190

Ser Gln Met Ala Asn Glu Gln Gly Leu Phe Asp Val His Ser Val Leu

195

200

205

Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn  
 210 215 220

Pro Val Leu Gln Gln Asp Ala His Gly Ser Val Thr Ile Thr Gly Gln  
 225 230 235 240

Pro Met Thr Phe Pro Pro Glu Ala Leu Trp Val Thr Val Gly Leu Ser  
 245 250 255

Val Cys Leu Ile Ala Leu Leu Val Ala Leu Ala Phe Val Cys Trp Arg  
 260 265 270

Lys Ile Lys Gln Ser Cys Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln  
 275 280 285

Asp Gly Glu Gly Glu Gly Ser Lys Thr Ala Leu Gln Pro Leu Lys His  
 290 295 300

Ser Asp Ser Lys Glu Asp Asp Gly Gln Glu Ile Ala  
 305 310 315

<210> 3  
 <211> 951  
 <212> DNA  
 <213> Mouse

<400> 3  
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 ctggtggaca cggatgccac cctacgtgc tccttttccc cagagcctgg cttcagttctg 180  
 gcacagctca acctcatctg gcagctgaca gacaccaaac agctggtgca cagcttcacg 240  
 gagggccggg accaaggcag tgcctactcc aaccgcacag cgctcttccc tgacctgttg 300  
 gtgcaaggca atgcgtcctt gaggtgtcag cgcgtccgag taaccgacga gggcagctac 360  
 acctgctttg tgagcatcca ggactttgac agcgtgtgtg ttagcctgca ggtggccgcc 420  
 ccctactcga agcccagcat gaccctggag cccaacaagg acctacgtcc agggaaacatg 480  
 gtgaccatca cgtgctctag ctaccagggc tatccggagg ccgaggtgtt ctggaaggat 540  
 ggacaggagg tgcccttgac tggcaatgtg accacatccc agatggccaa cgagcggggc 600

|  |     |
|--|-----|
| ttgttcgatg ttcacagcgt gctgaggggtg gtgctgggtg ctaacggcac ctacagctgc | 660 |
| ctggtacgca acccgggtgtt gcagcaagat gctcacggct cagtcaccat cacagggcag | 720 |
| cccttgacat tccccctga ggctctgtgg gtaaccgtgg ggctctctgt ctgtcttgtg   | 780 |
| gtactactgg tggccttggc tttcgtgtgc tggagaaaga tcaagcagag ctgcgaggag  | 840 |
| gagaatgcag gtgccgagga ccaggatgga gatggagaag gatccaagac agctctacgg  | 900 |
| cctctgaaac cctctgaaaa caaagaagat gacggacaag aaattgcttg a           | 951 |

<210> 4  
 <211> 316  
 <212> PRT  
 <213> Mouse

<400> 4

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Arg | Gly | Trp | Gly | Gly | Pro | Ser | Val | Gly | Val | Cys | Val | Arg | Thr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Leu | Gly | Val | Leu | Cys | Leu | Cys | Leu | Thr | Gly | Ala | Val | Glu | Val | Gln |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Ser | Glu | Asp | Pro | Val | Val | Ala | Leu | Val | Asp | Thr | Asp | Ala | Thr | Leu |
|     |     | 35  |     |     |     |     |     | 40  |     |     |     | 45  |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Cys | Ser | Phe | Ser | Pro | Glu | Pro | Gly | Phe | Ser | Leu | Ala | Gln | Leu | Asn |
|     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Ile | Trp | Gln | Leu | Thr | Asp | Thr | Lys | Gln | Leu | Val | His | Ser | Phe | Thr |
| 65  |     |     |     |     | 70  |     |     |     | 75  |     |     |     |     |     | 80  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Gly | Arg | Asp | Gln | Gly | Ser | Ala | Tyr | Ser | Asn | Arg | Thr | Ala | Leu | Phe |
|     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Asp | Leu | Leu | Val | Gln | Gly | Asn | Ala | Ser | Leu | Arg | Leu | Gln | Arg | Val |
|     |     | 100 |     |     |     |     |     | 105 |     |     |     |     | 110 |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Val | Thr | Asp | Glu | Gly | Ser | Tyr | Thr | Cys | Phe | Val | Ser | Ile | Gln | Asp |
|     |     | 115 |     |     |     |     | 120 |     |     |     |     | 125 |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Phe | Asp | Ser | Ala | Ala | Val | Ser | Leu | Gln | Val | Ala | Ala | Pro | Tyr | Ser | Lys |
|     | 130 |     |     |     |     | 135 |     |     |     |     |     | 140 |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Ser | Met | Thr | Leu | Glu | Pro | Asn | Lys | Asp | Leu | Arg | Pro | Gly | Asn | Met |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

145 150 155 160

Val Thr Ile Thr Cys Ser Ser Tyr Gln Gly Tyr Pro Glu Ala Glu Val  
165 170 175

Phe Trp Lys Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr  
180 185 190

Ser Gln Met Ala Asn Glu Arg Gly Leu Phe Asp Val His Ser Val Leu  
195 200 205

Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn  
210 215 220

Pro Val Leu Gln Gln Asp Ala His Gly Ser Val Thr Ile Thr Gly Gln  
225 230 235 240

Pro Leu Thr Phe Pro Pro Glu Ala Leu Trp Val Thr Val Gly Leu Ser  
245 250 255

Val Cys Leu Val Val Leu Leu Val Ala Leu Ala Phe Val Cys Trp Arg  
260 265 270

Lys Ile Lys Gln Ser Cys Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln  
275 280 285

Asp Gly Asp Gly Glu Gly Ser Lys Thr Ala Leu Arg Pro Leu Lys Pro  
290 295 300

Ser Glu Asn Lys Glu Asp Asp Gly Gln Glu Ile Ala  
305 310 315

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<213> Homo sapiens

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ctggtgggca cogatgccac cctgtgctgc tccttctccc ctgagcctgg cttcagcctg 180  
gcacagctca acctcatctg gcagctgaca gataccaaac agctgggtgca cagctttgct 240



Met Leu Arg Arg Arg Gly Ser Pro Gly Met Gly Val His Val Gly Ala  
1 5 10 15

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Leu | Gly | Ala | Leu | Trp | Phe | Cys | Leu | Thr | Gly | Ala | Leu | Glu | Val | Gln | 20  | 25  | 30  |
| Val | Pro | Glu | Asp | Pro | Val | Val | Ala | Leu | Val | Gly | Thr | Asp | Ala | Thr | Leu | 35  | 40  | 45  |
| Cys | Cys | Ser | Phe | Ser | Pro | Glu | Pro | Gly | Phe | Ser | Leu | Ala | Gln | Leu | Asn | 50  | 55  | 60  |
| Leu | Ile | Trp | Gln | Leu | Thr | Asp | Thr | Lys | Gln | Leu | Val | His | Ser | Phe | Ala | 65  | 70  | 75  |
| Glu | Gly | Gln | Asp | Gln | Gly | Ser | Ala | Tyr | Ala | Asn | Arg | Thr | Ala | Leu | Phe | 85  | 90  | 95  |
| Pro | Asp | Leu | Leu | Ala | Gln | Gly | Asn | Ala | Ser | Leu | Arg | Leu | Gln | Arg | Val | 100 | 105 | 110 |
| Arg | Val | Ala | Asp | Glu | Gly | Ser | Phe | Thr | Cys | Phe | Val | Ser | Ile | Arg | Asp | 115 | 120 | 125 |
| Phe | Gly | Ser | Ala | Ala | Val | Ser | Leu | Gln | Val | Ala | Ala | Pro | Tyr | Ser | Lys | 130 | 135 | 140 |
| Pro | Ser | Met | Thr | Leu | Glu | Pro | Asn | Lys | Asp | Leu | Arg | Pro | Gly | Asp | Thr | 145 | 150 | 155 |
| Val | Thr | Ile | Thr | Cys | Ser | Ser | Tyr | Gln | Gly | Tyr | Pro | Glu | Ala | Glu | Val | 165 | 170 | 175 |
| Phe | Trp | Gln | Asp | Gly | Gln | Gly | Val | Pro | Leu | Thr | Gly | Asn | Val | Thr | Thr | 180 | 185 | 190 |
| Ser | Gln | Met | Ala | Asn | Glu | Gln | Gly | Leu | Phe | Asp | Val | His | Ser | Ile | Leu | 195 | 200 | 205 |
| Arg | Val | Val | Leu | Gly | Ala | Asn | Gly | Thr | Tyr | Ser | Cys | Leu | Val | Arg | Asn | 210 | 215 | 220 |
| Pro | Val | Leu | Gln | Gln | Asp | Ala | His | Ser | Ser | Val | Thr | Ile | Thr | Pro | Gln | 225 | 230 | 235 |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |

Arg Ser Pro Thr Gly Ala Val Glu Val Gln Val Pro Glu Asp Pro Val  
245 250 255

Val Ala Leu Val Gly Thr Asp Ala Thr Leu Arg Cys Ser Phe Ser Pro  
260 265 270

Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr  
275 280 285

Asp Thr Lys Gln Leu Val His Ser Phe Thr Glu Gly Arg Asp Gln Gly  
290 295 300

Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln  
305 310 315 320

Gly Asn Ala Ser Leu Arg Leu Gln Arg Val Arg Val Ala Asp Glu Gly  
325 330 335

Ser Phe Thr Cys Phe Val Ser Ile Arg Asp Phe Gly Ser Ala Ala Val  
340 345 350

Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys Pro Ser Met Thr Leu Glu  
355 360 365

Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr Val Thr Ile Thr Cys Ser  
370 375 380

Ser Tyr Arg Gly Tyr Pro Glu Ala Glu Val Phe Trp Gln Asp Gly Gln  
385 390 395 400

Gly Val Pro Leu Thr Gly Asn Val Thr Thr Ser Gln Met Ala Asn Glu  
405 410 415

Gln Gly Leu Phe Asp Val His Ser Val Leu Arg Val Val Leu Gly Ala  
420 425 430

Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn Pro Val Leu Gln Gln Asp  
435 440 445

Ala His Gly Ser Val Thr Ile Thr Gly Gln Pro Met Thr Phe Pro Pro  
450 455 460

Glu Ala Leu Trp Val Thr Val Gly Leu Ser Val Cys Leu Ile Ala Leu

465 470 475 480

Leu Val Ala Leu Ala Phe Val Cys Trp Arg Lys Ile Lys Gln Ser Cys  
485 490 495

Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln Asp Gly Glu Gly Glu Gly  
500 505 510

Ser Lys Thr Ala Leu Gln Pro Leu Lys His Ser Asp Ser Lys Glu Asp  
515 520 525

Asp Gly Gln Glu Ile Ala  
530

<210> 7  
<211> 112  
<212> PRT  
<213> Homo sapience

<400> 7

Ala Leu Glu Val Gln Val Pro Glu Asp Pro Val Val Ala Leu Val Gly  
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Thr Asp Ala Thr Leu Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser  
20 25 30

Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu  
35 40 45

Val His Ser Phe Ala Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn  
50 55 60

Arg Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu  
65 70 75 80

Arg Leu Gln Arg Val Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe  
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Val Ser Ile Arg Asp Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala  
100 105 110

<210> 8  
<211> 112  
<212> PRT

<213> Homo sapiens

<220>

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<223> L, or V, or any other amino acid

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<222> (22)..(22)

<223> C, or R, or any other amino acid

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<221> MISC\_FEATURE

<222> (53)..(53)

<223> A, or T, or any other amino acid

<220>

<221> MISC\_FEATURE

<222> (56)..(56)

<223> Q, or R, or any other amino acid

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Thr Asp Ala Thr Leu Xaa Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser  
20 25 30

Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu  
35 40 45

Val His Ser Phe Xaa Glu Gly Xaa Asp Gln Gly Ser Ala Tyr Ala Asn  
50 55 60

Arg Thr Ala Leu Phe Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu  
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Arg Leu Gln Arg Val Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe  
85 90 95

Val Ser Ile Arg Asp Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala  
100 105 110

<210> 9

<211> 1670

<212> DNA

<213> Chimera

<400> 9

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